

Title (en)
FILLING DEVICE

Title (de)
FÜLLVORRICHTUNG

Title (fr)
DISPOSITIF DE REMPLISSAGE

Publication
EP 2748105 A1 20140702 (DE)

Application
EP 12730157 A 20120628

Priority
• DE 102011111321 A 20110826
• EP 2012002708 W 20120628

Abstract (en)
[origin: WO2013029706A1] Device for filling cans with a liquid fill, for example with an uncarbonated liquid fill, with a rotatable rotor (2) turning about a vertical machine axis (MA), with a large number of can holders (2.1), and with a large number of filling elements (4) above the can holders (2.1), wherein the can holders (2.1) and the filling elements (4) each form filling positions, and the cans (5), during the filling operation, are moved by the rotor (2) from a can pick-up station to a can set-down station. The filling positions have means by which the cans (5), with the can opening (5.2) lying free, are fixed at least temporarily on the circumferential side with respect to the rotor (2) and/or to a filling-element support (3), specifically mechanically by a movable clamping element (7) and/or by means of an underpressure acting on the can bottom (5.1).

IPC 8 full level
B67C 3/24 (2006.01)

CPC (source: EP US)
B67C 3/24 (2013.01 - EP US); **B67C 2003/2657** (2013.01 - EP US)

Citation (search report)
See references of WO 2013029706A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102011111321 A1 20130228; EP 2748105 A1 20140702; EP 2748105 B1 20150909; PL 2748105 T3 20160229; US 10526182 B2 20200107; US 2014202592 A1 20140724; WO 2013029706 A1 20130307

DOCDB simple family (application)
DE 102011111321 A 20110826; EP 12730157 A 20120628; EP 2012002708 W 20120628; PL 12730157 T 20120628; US 201214241209 A 20120628